

U.S. Application No.: NEW
PRELIMINARY AMENDMENT

Attorney Docket: 3926.134

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) ~~Cylinder~~ A cylinder sleeve for a cylinder crank case, ~~thereby characterized, that wherein~~ the cylinder sleeve (2) includes on one end (5) a contouring (6),
- wherein at least one highest rise (8) of the contouring (6) supports the cylinder sleeve (2) in a pressure injection casting tool against a center sleeve (4).
2. (currently amended) ~~Cylinder~~ The cylinder sleeve according to Claim 1, ~~thereby characterized, that wherein~~ the contouring (6) of the cylinder sleeve (2) corresponds to the negative shape of a contouring of a corresponding cylinder sleeve (3).
3. (currently amended) ~~Cylinder~~ The cylinder sleeve according to Claim 2, ~~thereby characterized, that wherein~~ the contouring (6) of the cylinder sleeve (2) exhibits a phase displaced periodic symmetry with the contouring (7) of the corresponding cylinder sleeve (3).
4. (currently amended) ~~Cylinder~~ The cylinder sleeve according to claim 1 ~~one of Claims 1 through 3,~~ thereby

~~characterized, that~~ wherein a deepest recess (11) of the cylinder sleeve (2) extends to the lower bottom dead center (11) of a lower most piston ring.

5. (currently amended) A process ~~Process~~ for producing a cylinder sleeve ~~according to Claim 1,~~ for a cylinder crank case, comprising: wherein

dividing out multiple sleeves (2, 3) ~~are divided out~~ from a tube (20), ~~thereby characterized, that~~ wherein the dividing step includes

~~by one cutting tool (22), an axial movement is described relative to the tube (20) and the tube (20) is moved circumferentially.~~

cutting a contouring (6) by using a cutting tool (22), wherein the cutting tool (22) moves axially relative to the tube (20) while the tube (20) moves circumferentially,

wherein the cylinder sleeve (2) includes on one end (5) a contouring (6), wherein at least one highest rise (8) of the contouring (6) supports the cylinder sleeve (2) in a pressure injection casting tool against a center sleeve (4).

6. (currently amended) The process ~~Process~~ according to Claim 5, ~~thereby characterized, that~~ wherein the cutting tool (22) is moved in the inside of the pipe (20) and the cutting process occurs from inside towards outside.

7. (currently amended) The process ~~Process~~ according to Claim 5 ~~or 6~~, thereby characterized, that wherein the cutting process is carried out by water jet cutting, by laser cutting, by roll separation or precision cutting or stamping.

8. (currently amended) The process ~~Process~~ according to claim ~~5 one of Claims 5 through 7~~, thereby characterized, that wherein during the cutting process a force (F) is applied against the pipe in both axial directions.